Aviation News



Sign Contracts for 93 Four-Engine Transports: Presidents of three airlines meet at New York to make "on-the-line" commitments with Douglas Aircraft Co. for DC-4 and DC-6 transports. William A. Patterson, United Air Lines and Donald W. Douglas sign as (left to right) Capt. Eddie Rickenbacker, president of Eastern Air Lines and an interested observer, looks on, and A. N. Kemp, American Air-lines, and Harold J. Roig, Pan American-Grae Airvags, audit their turn. (Story on Page 1)

New Aircraft Industry Unity Seen in ACCA Turnout
Revived Chamber expected to play important
role in determining policy with respect to contract
termination problems......Page 10

Shipping Presents Coordinated Air-Sea Service Case
House Merchant Marine Committee hearings develop comprehensive review of international air
transport policy and prospects. Page 38

 Lockheed Engineer Sees 'Copter Small Plane Answer Hibbard reveals company's interest in rotary wings; says mass production of four- or five-place craft should bring price down to \$1,500... Page 13

Study Disposal of Planes not Salable to Civilians
Trainers moving at rapid rate and good prices
but release of tactical craft to RFC for liquidation

More output per pound

for alcoraft

Eighters and hombers need lets of electrical power—
but they would have weight life a beautilal wersen.
Yet the deeps of electronal appears for alcorate
most consider more then just weight protostner—there
are factors of whiteline, cooling, and brush were that

The five do generators shown at right represent the range of Westinghouse unde that see meeting this exacting service. Their weight output ratio is exceptancelly feworable.

FOR EXAMPLE:

Westingbours stated in the evident field in 1917,

Westuphouse stated in the orientee hald in 1917, building the first winddrivers, high frequency after states for Wedd War I steem It redon. These 2T years of experience in designing and manufacturing about its all equipment for secretal contribute a sound resoon for making Westinghouse your working postner in swatten proprise. Westinghouse Section & Muratieturing Company, Small Motor Demion, P.O. Ros 868, Dethorous 302, 1918.



for 27 years the electrical partner of the ariation industry

THE AVIATION NEWS

Washington Observer

INDUSTRY PUTURE.—The destination of the carrying the factors of the destination industry or account the factors of the destination of the carrying the factor beauting to the carrying the

ag had appear fared contriers to go describe from the feferal possessment to exist and occurtion, rather than to thomself through attention to the control of the control of the conlared the correspond Colyversity prouga must hard the correspond Colyversity prouga must control of the control of the control of the property of the control of the control of the local pressure and work to see a badfer of some particular to the control of the control of the banding of dark at a size levels. One also, South Condina, probably will take over all ours. Here, except when they are suffer of solid local lane, except when they are suffer destell on-

AUTOMOTIVE BLAST—The Automotive Cussell for War Production has had harsh world far the government); reconstrains program lately, charging smelly either beings that various Washinston procises are called cratitation in puring unto effect patient formulated by liber agences in accessing reconversion problems. The caused further charges castific belvene current regulations and adquate steps to make percifical propositions for recoverration. Briefly, the saterective prouddon't believe the motion will be proposed for recent with the same speed on convertion half its being mode by the Alked areales across Emerge.

ANTODOTTYS OUT OF AIRCRAFT—INconnection with the supplies problem, it is now accountly believed in Wastington that the inconnection with the supplies of the supplies of anomylete as soon as specific. It is posted of anomylete as soon as specific if it is posted for the supplies with each say the skyrings of the supplies with each say the skyrings of futures posted by will move out of the sinfestores posted by will move out of the sinfestores posted by will move out of the sin-freeze basices, the manufaction of neglets in sign makers now find additional competition.

WAGE STABILIZATION—Frobable lespect of large scale indisordist recurrences after the defeat of Germany on the wage stabilitation was been seen to be a superior of the seen of the War Luber Based and ather officials in Washingties. Two reports are an line way which was deabledly will influence the decision to recurment a change in the Little Steel Investiwhich limits general wage increases to \$1 purceed of the America, \$100, hereast, \$1.

Arms/s Augo new place, the R-28 Superferires beginn other of



AVIATION NEWS . September 18, 1866

Navy's permanent establishment Opposition,

though, will be great and Capital abservers are

BUDGET BUREAU COLD - Bureau of the

SOD BUNWAYS-Look for development of

sodded airport rusways to be interacted. Civil

they cannot gave long service. Costs are low examply for randerstelly-beeled provide flying

UNIFORM CODES... Porty-four state legisla-

will do well to play for intelligent aviation lessulation. Virtually all are expected to deal with the subject. National Association of State

Assisting Officials is remarried entitlers onto

it hopes to see adopted by most states. It is

considered moderate, and NASAO hopes it will

awaid excesses harmful to axiation

Budget to turning a cald eye on the Euradelph sirpert bill, and, strangely, is questioning the

need for 6,000 airports in the country.



larger oppropriations for its pir arm as a result of the Air-Sea Henrue Service it will set up day, and only two of these are equipped for major remain Many more will be needed. More ships for weather reporting, seesn air-

FORCE FOR PEACE-A spokemen for the infustry, E. R. Wilson, of United Aircraft, noted that In the history of the world there have been three great cess of peace. The Greeks enforced it through their macrimo power in the Mediterronean and the Romans through morntless control and land aresies in with our great ale power we have the opper-

RADIO PROCEREMENT-AAF procupement of radio resignment will continue though the to change system is reported to have been draward. The Signal Corps person it would have

tran experimental development

field, reports say, Army officers talk as though it were a foregone conclusion, despite the fact the Woodrum Post-War Military Palicy Com-AVIATION NEWS . September 18, 1844

of 17 creds on hear. Pressure definitely is on. COAST GUARD AIR-Court Guard will sell

GROWING IDEA...The idea that air power will maintain peace and premate prosperity is exists to Weshington and it is understood that the relitary is ready to submit to Congress detailed plans for peet-way air forces that would aware the cantisued healthy growth of the industry. Top sireraft executives are wary shout reaking guesses as the size of the postwar sir farce, leaving that up to Congress

canfound the nieture mendiculy, since AAF can-



THE CLUB THE AXE THE APPOW ... each was an important step upward on the ladder of the

nation of weight and gave more power and greater range quired the highest engineering Today the Guiberson Diesel. of precision production of oil tools and more than 15 years of diesel engines, is the fleet

tacion on sea, on land and in power plant that is safer, more represented and more efficient

TEYAS

GUIRERSON CORPORATION

GUIRERSON DIESEL

ENGINE COMPANY



AVIATION NEWS THE STAFF

Gronce W. Pres. Science H. Wood Manager Like

AVIATION NEWS . September 15, 1944



You don't have to translate the language of a Museang's 50 calibre goes or the 75 millimeter cannon talk of a Mitchell bomber. The Japs sleesdy understand. So do the Nazis So lee's keen talking. You bet you can help! Think of it this way. The Bonds you buy help build these fast-talking planes. The waste for you collect belos arm them. Waste paper helps ship them, and easoline flies them. Woolde't you like to say a few words of this kind of "prace ralk," too?



North American Aviation Sets the Pace PLANES THAT MADE BEATSHALL ... the PLAS Middle Associate ATAS Town combat

her Night Assesses deviation for Member Assess May Production Cornell for

AVIATION NEWS . September 18, 1944

Vicinia 2 - Novem I



Paragra, and William A. Patter-Dogold W. Douglas conducted

The new contrarie bring Doug-

production with commercial ocders totaling more than \$100,000,-

DC-4s might cost apprecimentely

company's 23 wars h DC-4 Cost Same ann ... Trant more

\$465,000 a pacce. This contrasts Three Airlines Place \$50,000,000 with a \$1,500,000 price tag on the

Order for Douglas Transports

Contracts for 93 Douglas DC-4 and DC-6 transports signed by American Panaera, and United: seport more to come. By MERLIN MICKEL

chase \$2 four course Dourist DC-4s that would up in military Twe Types-American surred for Cost of the 60 DC-6s and 53 \$50,000,000. United expects to

DC-4s This corregory sancounced lwin-engined planes in the five years immediately following the FAL May Buy-American plans

Two other lines, Pan American and Western Air Lines, surficipaied with these four last December in autocenting details of the DC-4 and description it as the tare of plane that will be flowy transcontinentally with two or three steps They were absent hawover, at the New York meet Presidents Sign-The other lines

were requestried by their premdents. A N. Kemp straed for American, Barold J Rose to 1940 under arrangement with Fasters. Unned, TWA, American h Working on Francisc... As to

rt had a salutary effect on the stock market. New York mapers shares, both transportation and for the year. The board was re-400. This is more than there times greater than my previous peak of non-rathfury orders in the Delivery Bates Uncertain-When psay's military production. He behaves victory in Encape will be

billswed by Army and Nasy per-

Others speculated that delivers



As artist's cross-section drawing of the DC-6 AVIATION NEWS . Sentender 15, 1866

of the DC-4, of which the first Harbor, can be adapted readily. Pressure Cable for DC-6 Both in industry oroles. Both will be

senger and earge transport plane

twis-Wasp engines, the DC-6 as

and cargo air liner equipped with

2,160 bp. double-Waspo Each

will have a crew of five. The

60,000 (be) 55 (be per sq. ft.

1,450 HP Engines Powerplants on the DC-4 mintary version of the plaze normed as having a takeoft rating of 1200 hg. The commercusi planes will use ongines with 1,450 kp giving them a total of 5,800 kp, as against 5,490 for the C-54

Navy Reveals Use Of Takeoff Booster become unit can one-third to

DC-6, which is to have a presmin sact with heavier loads: surined cubin, as a sleeper plane sees began in 1961. Each plane will have a wing span of 117' 6". Length: DC-4, 60' 11", DC-6, 100' 7", Heathy Navy for more than a year and DC-4, 27' 4 4/16", DC-4, 26' 21 tions. The Navy, in released decotractable Hamilton Stanford cruising speed; DC-4, 250 mah; 6.000 ft : DC-5. 210 with : DC-4. ean burn without nir. A sperk 10 resh. Fast capagity: DC-4 2,077 stal: DC-6, 2,577 stal. Baruton DC-4, 3,610 res . DC-4, 2,715 res Wite loodene DC-4 for gross on R . DC-4 fat gross weatht of eastly mounted and develops 350 h Flight Tests Made-Although evperspects were started in 1941.

Quantity production followed.

by the Navy on Phily's and Phil's

The nortine presidents estimate coust-to-count schedules of \$16 until Mar. 1, 1943, with Marine bours, and Chicago-New York AVIATION CALENDAR Set. S. MATA English I Morthay/Mages. Six Set. S. Lin Grown Ale Chairs, Media, 18. I make the latter of the latte The first plane was a Gramman Wildow fitted with five units. The test was passenged. The same

cover, (tileage deadlygresson Association, Sec. sewant settes: Walderbigser's Batel, New plane was flown from a corrier Sept. 4-545 Satherd Awards Englanding and Probabilis Sering Les Angles 19-decidate of Awards (1990). Second AV Tempert Meding, Surface Science Al Transport assessment Ready Verkington Arieties Confer-tor 10-10-20-00 Augusteen Arieties Confer-tor Assessment Top of State given a Navy contract for experi-No. 19 Section Assessment of Stee mental flevelopment of a more powerful unit, which hy June, 1943. Was developing five times rappe power than the first yets. Dec. 45 - EAS Malvinel Air Corps. Ecology, Officers.

Dec. 640--General Anneal Harburg, Airsiden.

distribution and Hamachurgury, America-tion, Arterion Ecol., St. Ionia, Mr.

Dec. 64 - National Ariellos Trubes Accordes, site, Americal Convention, Arthresis Ecol.

(doi: 10.1001/j.com/convention, Arthresis Ecol.)

Asks Lifting of Ban

On Private Flying Suggest move expected to effect relamation of warring reserve-

emergency flight heretations on private flyers appears as early mendation of CAA Administrator feene areas and seems of mulatury

The Administrator's recommen-Acronystics Board last week. Was prompt action by the board is exexcept in the defense areas and

Probable Restricted Array continue melude the East Coast Wreton, Maine, to Cerrella, N. C. and the West Court were defends ing approximately 199 rules inoffs be made at only desurvated landing areas, and that operators

He cited the termination of blackouts in England to the ditions which recurred the prorealization of these regulations to h Wor. Time Manuers... The orders owner field rules in Section 60 %) years, satabilished of request of entioney authorities so that the

Last December the CAB ruled that palots fying between points for each faghs. Within the last few craft at certain East Coast aurocets. establishing correlors through which they may be flown out or the determe areas On the West Coast the Fourth Air Force at San Francisco, last civiling flight restrictions, which now permit private plane owners ject however to the following mod-

They roust be for business reaturns emeaned in the war effort, for

any civilian fight lastruction Philip G. Johnson

Boeing Head, Dies

Philip G. Johnson, 50, president of Boeing Aircraft Company, died He had stopped at the Boring



Wichits Division on ruote back to his home in Scattle from a vest in A native of Seattle, he attended

ed with the Boeing Company in 1917, as a draftsman. He room to and became received in 1626. He

president when he returned to the

Beeing Company in 1989.

Air Talks Expected to Pave Way For World Aviation Agreements Provisional international route arrangements and accords on granting of transit and landing rights believed likely to result

from conference of 50 nations invited to November parley should be able to approve the The government's amounts-American delegation's actions, more than 60 countries to an international aviation conference in the

Urried States in Neversker was a

customir-worded document be subject to later revision if de-First the State Department, which administers foreign policy and hance international aviation pol-The State Department and "substantial arrespont" had been scy, seeks to avest all possible That the administration intends astickly to secure man mare advanrates, curtailment of subsidies, untteges to U S sir transport on a

a What of exception to be be used as Protects-The conclusion was ininternational seed) or well as noth utilization on global trade tilaterolly and most not exclude the legiturate asperatures of other

These two proposists would out: Previsacel world reads arrangemeets should be made at the consupportingly, as thrush the Dethe conference or soon as possible This means that the world route vacuus Cornerittee, which has asked map recently made public by the cause of manufale changes in legu-President Arrangement - The

arreed upon. A legical arrays and the NATS will be used, and that a switch to the openmercial companies will be made in the A surrobber in the State Day mouse when they will have been partment decreases of such weeks It is sweetened that the conder-50 nations, is the largest ever manent' arrangements can be left

approval by respective squern-F Congress' Role - Here Congress

is batteries of four, six and earlyt, week clarified its "essing" of

AVIATION NEWS . September 18, 1946 AVIATION NEWS . September 18, 1991

New Unity in Aircraft Industry Demonstrated in ACCA Turnout

Revived Chamber expected to play important role in deter musing policy with respect to contract termination problems By SCOTT HERSHEY

and felt settlement of sippreft easy in Washington during the semions duction and maximum post-war racree demonstrated the new They endorsed a progress pre-

It has been months since all company presidents of major manufacturing firms would turn and will not survive except on a Doguments Prevail - Among the group, there are extreme polyrests Post-War Air Policy-The Charaher povernors emphasized, too, the rued for the country to adopt a has weathered many a storm durpast-way are policy and evied the tenes, can weather another and emergy stronger for daing it Three principal problems inthe country depends to a great exvolved in the survival of the in-

Republic Switch Beschie Assatise Corn has need of surelys plants. While off cate these three problems, the m-Dutput After Neal Defeat-Indestry leaders had only success rere Washington peres con-Correct of president page over-

marce Beltable sources report conversion shortly after the defeat of the Nama, others will continue Alarana, heretofore, a mili-The enters to which the Govern-

also is involved, since if laber is

Contract Scittlements - Prompt

ting long-range fighters in the and one status cruzing speed of nondeasty in the last few years and should be a formulable

on orchestry with an ever-reveas-Latest developments abroad, in security. This means the valuatry must expend research in its engi-

Continues acronastical areatract termination, ratbacks, use of

Kaiser to Produce New Hiller-Copter chase consus over several side

hid for manufacturing rights. Henry J. Kaiser will make his development field with Brankey Hiller, Jr , and has newly-flown model. The Hiller design in cornnotes for mechanisms of the 18year old investor's Hiller-conter in Barkeley, Calif. and an era-

h Flan A-Place Model - The first by a \$50 ho, count. The young The Hiller denge (Aviation News, July 31 and Aug 75 was first flown in May in segres tests studyers. The requisions has a 12drives supersymposed contra-codiscouter. The believeder has de-

Kaher Exemines New Helicosterrevenue Stanley Miller, Jr , impect the Hiller-copter after Mr. Keiner

Work to Start on CAA Grid System As Army Eases Air Marker Ban insted ones were tires of Per-

Alaska will permit states to begin immediately on approved lacitude-longitude program

Grid marking will be primarily

for construction of merkers. The

By BLAINE STUBBLEFIELD rejeting to the nearest landers

and in Alasko, and work on CAA's several states, employing dislocated by war contract sign orders study their operation. But the marking specialist, in cooperation CAA Role Advisory Only-For Allways The system is designed

to cover the entire world if other nations wish to adopt at ladies-Air Addresses - Danie principle of tered on the ground new easilyaddress on the ground, the pilot

true nurth, and another arrow

verturns. In fact, several of there postects could turn out good or fusing lights-of which there are Army's Ban Criticised - Magor

renections. Any invading our

forces, if they came by day, could

Relaxation of security measure in all areas but West Coast and

war. Bath the our address and the because the pylone themselves marking place have been sub-Landmarks - Any reamber of

and conferences, meantains, lokes figure is done on a short-range about 100,000 of these air guides

Dody Ads to Be Illerrigated-Sc.

the markers. Where paint is used

AVIATION NEWS . September 16, 1944 AVIATION NEWS . September 18, 1944

national orange and white, are rec-SWPA Studies Disposal of Planes organised for high visibility. At this stage of the program Not Salable on Civilian Markets when contact fivers are not sup-Tenieres moving as rapid rate and pood prices but release of

tactical craft to RFC for liquidation presents serious problem. By WILLIAM G. KIY Chief emphasis of the Aviation erty Administration has turned to

Sale of trainers through the Detense Plant Corp., with cooperacresothly. The first group of WYS planes-some 5,600 are virtually deared out and service tramers and are initiating air guide prob Worst Hurdle Passed-Surplus greens: Alebonno, Nobreako, Tenafficials believe the werst hardle of Yexas, however, marker plans and it appears cylifers that new planes will soon be available Obio his legislation making the Prices have taken a downward establishment of markers computtrend in the part few weeks, at

erestion. The guides will have to

be lighted. Furthermore, the time

may come when personal planes

will be flown in large numbers bo

sight. For isstance, direct lift ma-

But the technologic problem is reals in comparison with that which will be faced when inclical by the Army Air Furges and grobsearcher down these planes for salvage will be far more costly Hancoper, SWPA is seekens

a total less. Answers are being But the problem is pointed up tracers gliders, about 1.000 o tile? Assertably they have no or tool sheds. No solution to

those responsible for disposal Transpert planes have not yet come rate the surplus category. period in which transports will

Negotiations are now under way planes of off-standard types, but

· Wights Charater of Communica-

Pullshiller Catt Makes Blast Black: Astrony designs of Principal's

Wichita Airpark Plan imappeng out fields of brested size. Decods of construction are restricted but the where fature surparks within the all-metal pixme is said to have a range in excess of 3,540 miles and to first appeared to AVIATION NEWS on October 4, 1963.

WEST COAST REPORT

Lockheed Engineer Sees 'Copter As Answer to Small Plane Demand Hall L. Hibbard reveals company's interest in rotary wings

with plans for pione model; says mass production of four- or five-place craft should bring price down to \$1,500.

By SCHOLER BANGS any cut out of the haz to say that

accident one combination that Lockbood Arroraft Cora, bethe naswer to the aviation indus-

and Lockbeed has extended the

He said that his company is "pretty well sleng" in the daveloperated of a 189,000 pound are duction of 10,000 a month a free Copter Cost vs Auto-Enboratras on his helpreder interest, Hibbard h Withon ton years military aircraft.

dart comparison of a 4-3 paremdram-priced automptice and has determined that on a 'mass prothe holftopier wall neteracted the b Putare land-based air trunsports production good of the assoration. "The belieggter will be the ideal Contrary to other expressed be-Her extreme sulety and will gove home in, and put in his garage,"

West Chart Amotion Witness when

A Super-Same Planes - "Superterring edge at high speeds, and Lockheed has been conducting ex-

slow speeds and ante landarin 'I don't believe it will be letting experimenting with small according design of the last wasers

desires for private owners, he plane, if produced, will offer in the

C-82 Eved as New Post-War Contender croft into the large-place field win

The property) twin-regime, all racial both wine monoplane, destered spenficulty for operations b Easily Adaptable-While it is en-

design and many improvations The C-52, seconding to Peul J. Princell, session governd man ager, is a direct result of Fairchild's expediture in cargo plans with ofentruction of the Arms

b Small Plane Producer - Valerbille b High Speed Flight-Hibbard also of weat and medium size. The 5.000 PT-19 primary transes dur-When we couch mends of 400 "The 'besting' on amplions taken pound class, about twice the curias DC-3. Trice-off required only a part of the 3,600 and 5,600-foot

> year and when on the ground the truck platform to make for easy Design-The after-and opens to the beartt and width of the raterior. Tail assembly is on twin

PRIVATE FLYING

Port Operators Study Progress Of Rent-a-Plane, Air Taxi Project

Services established by Gerald Chatterton of South Dayton airport and Dayson School of Aviation expected to meet rising demand for place and flying time by returned pilots who with to consinue air activities without necessity of busing planes.

Midwestern airport operators Dayton Bent-a-Plane and Air Taxi South Duaton airport and the Deytor, a former sutometale dealer, has operated surports in the Day-

structor from the figure school 50 hours a year. He can rent a \$5 a day plus 6 cents a mole. • Road Basis-Crees country mile-



Ale Tool, Reston-Place Service Opered: Above, Inffhored selection tary. Phase below shows from parentness Work used by Space Douton



are is figured on a road malessee cause of the more exact coiculation. Plane renters fill out a form which also calls fee pernatures of rent-a-plane service as for student is available, other for fight training or renting, making a large

down, and \$30 a meeth for 14 months, or a total of \$250 for 50 hours of flying. A point who does

h Hay 16 Pillets-Chatterton ness vice affers a means of keeping priplace of flying clabs at his field,

the plane renter can have a plane available any time he wants it he points out. The operator says two or three persons. Too rate to 30 cents a croie, for two or three perspec, divided proportionately

catles, with the rates scaling drawn Still moreiful of his outersalete war place and mate sales develor building, on the Dryle Hudway

AVIATION NEWS . September 15 1946

PROTEK - PLUGS

DAGGER-THRUST

where it hurts most! The great B-29 Superfertresses are Cesa equipped.

There is no eneaky, knife-in-the-back quality about the fieree stabs of these massive B-29 Superfectures at the heart of Japon. The Nips phones take aff to meet them and ground defences throw up a vertain of Sak. But nothing yet deviced can stop these sky-giants from de-

Busying their loads of destruction when and where it harts more, The skill and exploration that designed, engineered, and conducted this "Mire on where" is Asserted to the core. It is typically Asserted to build the most powerful and complicated flying mechanism ever as-numbled ... and then any if fore many production. This means that each one of the thousands of connocent parts must be as technically and shovically seriest as man and machine can make it. And further it

we are reasolest perking for year ways to achieve still higher standards of performance, staming, and dependability, The CECO carbonston and feel runner on the Wright engines The CECO cartameters and the CECO contracts and workers lett at

home - are living up to those specifications,

CHANDLER-EVANS CORPORATION FUEL PUMPS SOUTH MERIDEN, CONNECTICUT, U. S. A.

AVIATION NEWS . September 16, 1944

Public's Ideal Plane Specs Studied

New specifications for "Tomor-Aircooled Motors Corp., Syracuse, N. Y. Prouklin cuarse manufacturer, which palled air-minded American men and women. Of those prestagged, twentyfour percent replied. Consensus of their requirements is sensale, not beyond reach of nousent manufacturar, but a brille

Low-winned (513%), Monoplane (87%); landplane (64.5%). Landing sour retractable too areduction

(66%): trievale (51%) Cruster meed: 115-125 (20%); 125-150 (1946): over 150 males. (\$5%); wing covering metal

Engrance one, 65%; alr couled 185 (\$1%); 185-15 (21%) Accessories: Electric starter and experator (94%); marriete urrition (61%), rathe receiver and (45%); constant speed (35%). Flans (75%); abots (35%); twocontrol [coordinated rudder and

trol (58%)





Shelic languages Agrenou Arrony, helow, note flying on a plantic bowied pipercod prosstage, sail he of metal construction when production beahead of most designs that far insucced orward 160 mah. Nearly demoned Agrangs Tanders, obeye, offers considerable invercement in agredingraic elembries, economy, speed, needly over-new places. Tentative price quotebook, around \$2,000 for the Arrow, ground \$1,000 to \$1,560 for the Tandem, depend on quan-



Aeronca Outlines New Sales Plan

Memberdaine progress seeks to

How to Make Send Airports Pay," "Way You Should be an Refucing the heretofore hap-Accuses Design," and "Accuses, eperation to a system is the goal tree dealers, and a fourth, "The Airplane Dealer's Handbook," to Company datributers and rest-Emphasizer rehabilitation of

reacket areas. Mexict bankborooms work to what the public uses the is craftioned. A name impersors often effect a very cabatartial saving in with assets of approximately

ournment his participation in

workers and others who may not

have other employment when re-

+ Hardbecks - Three hardbooks.



Needers to Freehilm surney speculad pigms like that

AVIATION NEWS . September 18, 1944 AVIATION NEWS . September 18, 1944



one, is to send us a Liede Known Past About Well Keems Places that's good arough to print. Like this one from E. E. McCleag, of

Kender, West Virginia The expensioner want of a "tool yea'll rate a prospetion to Senior Perch Pilot, A Little Kayen Fact like this will do the truck: The notes show of the B-29 to 20 Adeny States year L.K.F.A.W.K.P. to:

Major Al Williams, effer "Tattaced Wing Tipe." God

first are not in evidence. But when the add a whole of a lot so the performance

of lubrication

It comics novide weights per secure It cantin more weight per source from carnel concerners. We add nother below; were the form of huge flegel In flight, the

> **Bull Oil Corperation and Gulf** Refusion Company...mekers of



OIL IS AMMORTSHOW-DUE IT WISHIN THE GOOD GOLF









CREWS OF THE B-29'S TIO

WAR BOND FOR THEM !

HOW ABOUT ANOTHER O



Huge Post-War Lightplane Market Shown in Crowell-Collier Survey

Study reveals that 48 percent of 2500 persons polled plan to buy plane or helicopeer; 39 percent of civilians prefer roadable aircraft; military flyers 78 percent in favor of conventional.

Findings of the Crowell-Collier combination as compared to 26 tion" are of particular interest to laterpreters of the tables and charts, however, must not lose sight of the background factors

supplied with the study, or they ore opt to make some errorcees 2,000 Civilians Pelled. The study was made by policy arreanmately 2,000 civilians from the upper 50 per curt of the urban population in terms of income and having standards, and a group of 500 Army and Navy firers Many students of post-war private firrural ocean and small communities in the West and Midweet, adjoy the war, before now other

percent expect to buy a plane, and or beliespter in the future. At first glance the report appears driale of 16 realism farming When and successes a market for personal planes amounting to approximately \$88,000, far above protry. 1942, showed only 34,836

Bandable Place in Demond-Circum public preference for a time neveral favor the reseable capters, or shows by the above chart

tonal plane. The rubbury poli. personal plane manufacturers, dis- however, shows 75 percent favorof the study is devoted to the post- 8 percent for the belicopter. Sigwanters roadable places prefer to

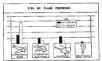
> more than \$2,000 for a plane. For pure, the median estimate is \$50 to \$50 a month. Rocty-eight per-

consideration ligher rost of opera- in six months after the war.

tion. A speed of 199 mph at two han 150 mon as amiret only 12

Michigality percent of the mitplanes after the war, with an ad-

a car. 84 percent said the plane wanchase would be to addrison to



Readable Planes Professed: Consott-Collier study on most-sour studnon mariners undicates a preference by the cuttion public for readable

AVIATION NEWS . September 18, 1941



Like a square peg from a round hole . . .

You have to know what rubber will do before the die is cost

Our own tunary leaked when at been solvest problems his it- with

AVEATION NEWS . September, 15, 1944

аррбского с "Enruckas" is a rescent where subdesired shape and form Desirance placelag due so the peculiar flow than.

stending of both parent and samplence corresponds. For when compounds may change, due to differences in the exposes of swell Dies meat be preised. to allow for these differences. You Although B. F. Goodech dies altends available cover thousands of

different shapes, each new application

who we obvioud If a conventual The applications of curvaled seds preparentally unlarged So if you have ing was to The E. F. Godoob Co.

B.F.Goodrich FIRST IN RUBBER





AVIATION MEN DISCUSS SOUTH'S AIRPORT PROGRAM president of Poper Assertaft; J. Kirk Belifuse, airport

Nationally-known aviation was attending a retest director, Capt Golderno Sarria, who is studiesto Seathouters Airport Conference at Ashern, Ala . American orport construction for the Penerica porusry (rabli) fol Nilson, Borol Averagi, W. T. Pyper, grament; John L. Sutton, Delta Arrivana, D. R. Yarhem Acker, Hyrningham (Alic) sirport messager and At left are E. W. Stanford, Alabeme greation. governor consistent to Ohiohona City.

Riddle Brazil School Studied as Pattern

other similar planes so be set up Bracian Av Maruter, De Jacrem Too Washington eviction exthereins are votebute drivingsized in that country. Dr. Salanda | Mary Soutrectors Trained-Addi-Paulo, Brazil, where classes of building up the Breeding Av from a stratent body of 900, built These Washington sources be-Brazil was toking over antilarve that the Raddle school is sufernature patrols in South Atlansely setting a pattern for many other such schools. The several dominance of Axis alrites in its demostic commercial avoidisti

Allegareted Bucked Hy Arreld Ruddle's school, the Escola Techof the school's background and stratfence were disclosed only ind week when it was reperted die School in Miami, where class that it had the backing of Gen centact already had been formed tional matrusters still are being

Bridle school to organize a new in South American countries. This is the J. P. Rindle Co., which has beefquariers in Mineral Washington to be only the first service cetterns. They forecast can startents in air traffic control a Patterned After Mixed Schooles, Cirport, management, arrange Mr Riddle was selected to guide

Green Light to a thousand planes

Federal Telephone and Radio Corporation



countries through aviation mis-AVIATION NEWS . September 15, 1949

THE AIR WAR

Jap Inner Defenses Softened For Next Allied Penetration

Improved Nipponese warplanes ready to most advancing U. S. forces: American sechnical advanture less than year area

Engines used were copies of come solid advances from the out- Pract & Whitney rights an ecocled es perspetes toward Japan's onner engines such as the Hilton and engage line-Japon-Formosa- Lu- Katabuki (P-ry) nder 658 to 900 orn and the Bones Islands. Mac- by I and early models of the Kin-Archar's men with Kenney's flyers see and Sakas (16 crimber, twoand Knower's 7th Flort will start now 600 to 1,000 hp.). As a well lustres possible construction, with Halsey's 3rd will move in from the Coptral Porche Japanese sir resepilets Armor protection and selfer has all but collapsed in New scaling had tanks was regarded as and a rapidly deteriorating in the contributed to make these early models flying coffee for Jap sir-77 mm. (20 call) gura berne advacent bases and almost areon. Five Fughters-Daring 1942-48 Zelve Mk 2 and a clipped-wise version nicknamed Havy were

of 1,150 hp and greatly improved count of searce beyong been de- 20 mm courses, but still no armor byeard for the uboquitous Task or self-sening fuel tanks. These June However, Japanese all povereads form, with improvements get up a tough fight. Pitet lesses Taje is pewered by a Nakazgraand Tony by a Kawasaka 12-cylin-Many of the costs models with lots were equipped have disappeared from the scene. There strlude such flabters as Claude (Navy Type 16), Nate (Army Type 971 and Zeke Mk I (the griat Nell (Navy Type 96) and Sally (Army Type \$7); the tor-

Walf 190 and Messerschwitt 188, are 12.7 mm (.50 cml.) machine ful code names for the various ords bomber Rate (Navy Type tions; too speed to around 399 mgh 971 and dive bomber Vol (Navy Type 89) Based on the Japanese calendar (230% to 2000) these type also used as fighter-bombers, car- as a revised by the newly organized numbers indicate that these air- rying bornhs under the wrist or craft were elased in service her plywood type intimposite fuel Amounts, Washington D. C. untween 1884 (1906 96) and 1980 tanks when required as long range der a opposited Army, Navy, British

• Better Bombers—The early Navy medium bomber Nell has been ily armed as the latest models of replacent earlier models, and n class in Helen

) Further Ingravements - Econreports referate the use of heaven sewar plate, buttet-proof glass giars up to 1,000 hp, and more are bring installed, tome with ex-Rodes padgets have been inbeen ceedirmed. New type turreto Type 2 radial engine of 1,400 kp., and electrically controlled gum have been added. There seems to ler-Beeg 601, with injection pump cent statement that, although U. S. These two fighters roughly cor- we do not now have as great techrespond to the German Foctor- rical advantages over the enemy Latest Too armament consists of origin and usefulness of the color-

Technical Air Intelligence Center.

tale. The whole system is now be-

ing conditions Evolved from an airline design, the Comwands will be evallable for commercial







In year the Curties Companyle, has established itself as a major instrument of transportation. It has larsled personnel and supplies of all types wherever the need has been critical often under most unfavorable fivoperation as mon as the strategy of war nermits. Its conversion mto a luxury airliner or a cargo earrier will be speedy. This will help to bridge the cap between war and peace by providing jobs for the men and somen who build and operate these transport simplanes. Look to the Sky, Americal

Cartin-Wright Corporation, Airplane Division.

Curtiss

Commando

Fledgling Flyers Today ... America's Airmen Tomorrow!



THE actual flying instruction of an Aristica Cadet . . . and the long hours of needersic week in the class recent, . . . are backed up by a program of resittory driff, athletics and precise Army diseightee . . . qualifying Aviation Codets for the Army Air Forces, A complete stoff of Army officers encorretes with our large presentation of testeed operated by Southeastern Air Service, Inc. Life in a Civil Contract school is one of a highly organized routine from down to dook . . . with murals high and a spirit of termwork and community which is instantly recognisable as an outstanding American can characteristic contribution to the success of our Armed Forces

SOUTHERSTERN Flight Contractors to U. S. Army Air Forces - Bennettsville, S. C. and Jackson, Tenn. Descrive OFFICES - ATLANTA GEORGE

PERSONNEL

Jersph E. Lowes, Jr., (photo), 6: Corp., with handyparters in Charector of public relations for Fair-Hagamtown, Ma.









and Hugher Arrenalt Co David J. Bonawit to the new chief sion of Bendax Aviation Corp. to dynason's isbocatories. Bonawri has tional materials for brakes and clutches H. L. Batengardner, former vice-president of George W. Hart Corn. of Charge, has been

appointed district manager for the Ceptral metropolition district for the radio division of Bendix Aviation AVIATION NEWS . Sentember 15, 1844

Jack C. Wilton, former sensor of rematestave officer of the U for the radio divising of Bendry Avenue Corn. He will be ristinged

drynnon, Curtan-Wright Corp., to



A. Sandgrass, admirately assess tast to the Columbus factory man-



sections from the early heaterical tion. Frees 1838 to 1943 Boyer was with the international diverge of Cel. Harry C. Short has been passed

modification center in Desays, replacent Stanfer E Shutte, who has returned to Cocksental as vicepresident in charge of mannerance direction of the profer after being placed on mactive Stellar with the

dent of tool planning and maguing-AAF. He has been communiting of-

feer at the 118h rab-depet, Mor-Frant B. Kiley, assistant passeng manger of Amendo Espert Aulines for the past two years, returns



to American Export Lates (steaming to customs and passports and replaced by William F. Muller, for hus been associated with coverer John K. Beyle, former executive ad-

merce Reple will supervise the tion he will direct the infantry co-Reseatt F. Jacques, of the engineering steff of Lauter Kauffrana Auwas elected director of the Player Loster-Kurfmann plant Thomas Burilett has loiged the staff

pany's contract termination com-



toring while at Curton-Wright



Of Course Your NEW PLANE WILL BE SAFE IN THE AIR But HOW ABOUT ON THE GROUND?

TOMORROW'S passenger and cargo stones will fly the deverye of the world-They will touch their wheels upon the roll of many countries. But not every sirport will be as smooth or as rafe as La Guardin or Crowdon or Le Bourget, Many emergency fields will be little better than clearings, often small and covered with mud. And tomorrow's planes must be able to land and take off safely on the WORST of those fields as well as on the best of them.

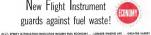
That is why so many sirersft designers Would you like full inhave their eyes on the Channel Trend formation about Firestone Airplane Tire, developed and pioneered by Channel Tread Tires for Firestone. They know that this remarkable your postwar planes and tire gives maximum floration and superior plans? A letter, wire or traction on wet and muddy fields and phone call will bring a permits quicker broking on landing. They trained Firestone aircraft know it has been tried and proved on engineer-without-obligation. combut planes operating out of all kinds of fields during the war and that it is famous for long life and dependability.

FIRESTONE AIRCRAFT COMPANY, AKRON, OHIO; LOS ANGELES, CALIF.; MAKERS OF TIRES, TUBES, WHEELS, BRAKES, AIRSPRING LANDING GEARS, BATTERIES, SPARK PLUGS, HO

AVIATION NEWS . September 16, 1946

VELON SEAT COVERINGS FORMEX CUSHIONING, FUEL AND OIL CELLS, BUSHINGS, AND MANY OTHER AIR

New Flight Instrument guards against fuel waste!





THE ENGINEE on this arriver 9 DETONATION increases laterard density. If continued, at charages en-



6 ASSTRBY Automotic Mis-

encions and assertion. Where









chaffing planning, development, en-

ind operations orginaring, under

Pracicity, vice-president of enga-

Brand P. Weckesser has been

et Chicago. Helmer is chairman of

the avoition committee of the Conconsti Junios Chamber of Con-

AVIATION NEWS . September 18, 1944

continen-

1900. In he rew

11 engapeers





when P. G. Jahnson, Resing Arreralt Company president (second frees year service year to four ties who have passed the nee-decode reark ter Hipping, who works in the uring structures shop. The other three Baeing old-clinars are, from left, Jaceph Severs, employed in automotice essistenance, Harry Chruterson, of the wood shop, and Walter



a Utilities 100 newspapers in the campage. The agency of Campbell-· Advertising agencies, artists, cur-tomers, and avadien writers who







a private pater's beence, with 400 nonnements published in national reagantees by Pon American from

August, 1945, Through April, 1944.

* AEBONAUTICA, a morning revew, superced July 15 in Section . Highways of the Air, a new cedeprivation to the eviation undustry, has got been much by Radao Exceptor Co., Inc., New York, The united more comprises on article equ



Greet Nork, New York Division of the Sperry Corporation GYROSCOPICS - ELECTRONICS - AUTOMATIC COMPUTATION - SERVO-MECHANISMS



AIRCRAFT PRODUCTION

Visual Control Board Speeds Wright War Contract Conversions

System is substituted for former practice of handling mass of paper work and completes procedure in fraction of former time: see recour \$10,000,000 permination completed in \$0 days.

Larros-scale conversion of war an accurate ower-all macture at any given mornest. Write revisions changes in the status of dealing innering procedure which subtake place, so that the revised

he faced preventingly by indestry celliary needs for different types b Two-Saver-Officials at Wright

hounds. Wright at Congressed in

A recent termination at Weight P Visual Control Boards-Wright's at the disposal of other passidancontrol boards of the type wadely used in scheduling production The spents the job is the method of

One weakness of the resembles

completed. Each of these spens-

Progress Platted-Each horseofrom terresponding. The programs of each nunceled order through place. These postings are made by

needless follow-up with vendors A Trial Board Set DamA member scholule lines, it is pecceptible at pany's production department was obtained to study its adoptathe visual board compared with



Cartiss-Wright Termination Board: Strace Sours, left, eagraport of con-

AVIATION NEWS . September 15, 7944



... at sea level or 30,000 feet up

If you have a problem irredving Clifford produces this thereasted the use of a believe assembly for application of Hadron believe and the engineering behind it affer evedenos that Clifford can help you. The problem have was to adopt a subcounts safety believe The com-Bestudy alcoraft, engine by-many presenting factor congres most offithermostat to American production pose is to provide for speedy engine and it's living up to those specifica-

fill is and mail the empter before - before

first with the facts on Hydraulically-formed Bellows HYDRON



CLIFFORD

conflor of situate.





There's no secret about how Cifford meets the most rigid resister-

Hydren, Clifford is still feet with the

metallic believe. With an engineer-

true staff of Belloom specialists. Chr.

feel is engineed to save you tone.

Write now - before you start do-

Metals Co. from their R-301 reperay already as structural steel both taking, forgings, wire, washers, 1 Weight Saver-J. F. Van Konnen Bernalds' B-20 present men-

B-29 Uses Strong Aluminum Alloy Revpolds product on constr wing skins is reperted as scroeg as seructural steel but only one-Disclosure that the too center

Reynolds is supplying materia

Canadian Output Production and east Egures

torn, without regram, were In 1940 and meluding the last factored at a cost of \$43,000,joint and coving \$533,000 and

ASSEMBLES INJECTION CARBURETOR IN BENDIX TEST Guided only by exercists and "croboled recurs" 11-year-old Jack Butler,

Murray Bady, Tuber Body and Study Plane Manhours oil, West Coast, reports engineer-Plant Sets Record On B-29 Engines

Survey Made-The survey shows button-Wright senert that the Wood-Ridge plant, which builds all previous production records Output of the 9,700 hrs. engines. bossber are 415,812 and 2,563,653.

Plywood Agency U S. - Mengel Phywood, Inc.

* Braiding-Contract regulars for

over Japan. It is expected that

CLIFFORD MANUFACTURING COMPANY

Notes & come -- Industrial

AVIATION NEWS & September 15, 1944

Newest Mitchell Has & Gun Nose

Losest version of B-25 pen sam high in place preserver with righteen 50 colliber muchige

North American is now making bomber, the newest with curbs guns which boost firegower to subtree 50 califor machine gara piece, the latest versus of the trided destructive power. The new

Attack Madel-One is the attack

but hits are made up with other with cormer, but in the eight-



New "Mitchell" Beather Name The armereent to 18 50's and a par- dive-hombers of Air Group Onerible concentration of 14 forward- have been so well protected by Boath Vermont Ave. Los Azzelos



TEST NEW DESIGN PROPELLER

sirpart. Test Phot Pete Thomas briefs a test State for his crew prepara-

funcings. All 12 of the fixed game change to use the causion against b Bocaba Abra Carried-do addition to the 12 fixed forward-dring gets gaze and two upper-turnet game, the Muchell has four more fillies, two in the power too turnet and A full lead of bembe is carried in

controls are pinced so that the bombs can be released by the pi-The overagement was first in-

non in addition to the fear fifties Helldiner Uses New

Cannons on Japs Navy has permitted disclosure

edge of the wing, in place of forchine cores. They is in addition to cer's B-26 Mitchell bomber has the feedble machine guns operated. Pacific Court section of the Society. by the year garner and radsomer. the more and boarts the pixtur's b Used on Ground Tragets-The may be obtained from the secretheir fighters they never had a

s Jap plane in the sir, but they continuation of the oldest fighting the 'High Hatters," a name adopted in 1927 and well known to many

on rose model, the homburdier's New Sr. Paul Plant Northwestern Aeronatical Corp., one of the largest producers

Plastics Directory and consultants in the states of



Engineering in Wood

ricated timber such a satisfactory building been applied equally well to aviation conseruction of many types simplane bangars, manufacturing plants, passenger terminals and mixellaneous sirrienc bessing. It is difficult to name an aviation from that construction steed, permanence of wood, This is particularly cose when Timber Structures Engineering in Wand policy is

berressed to a given building problem.

Enricertor to Wood is more things Research, Design. Engineering Profebrication Tenesperation Ecotion All are must of Timber Senactures service to monagement, architects, engineers, contractors on heldfore in which roof crusses and other heavy timber items are an isseguel pare. Our Engineering in Wood service is available to you. Whether construction place not immediate or postwar, our specialized become dodge is as your disposed. Inquiries are evicement on the use of wood and allied arractural materials. Write for literature.



sayof plus blandads. Complete processed with the this and 32 annive benegies (F2% of theory) patrice (EA program) patrices and Street Street, but the discussed by the process of the proc

AVIATION NEWS . September 18, 1944

BINANCIAL

Aircrafts' Net Current Assets Up 300% to 1500% in Five Years

Survey shows that conservative dividend policy and plowing back of earnings accumulated on negligible profit margins have put industry in strong working capital position.

bring avoided. Regulation Aviation

in that as of June 33, 1944, net

50 per share. This disparity is char-

Nov. 16, 1963 Develos had not current assets of about \$50 per

The yest improvement in work- tied up in frozen syventories in corporations generally was highleased by the Securities and Ex-

While no detail by industry is available, an independent analysis b Us 2 to 16 Times-Changes in

americal for the leading arreraft secomparating table. It is evident that from Dec 31, 1608, to the end of 1943, not current namets have multiplied about 2 to 15 turns for This increase in working capital. etestion of engrippy. Dividend cornegs were accumulated on

been done adding to new plent faeffort against resides, have gener-There is also a strong trend to-

ward developing working capital in a highly "factor" form-cash words, the danger of having funds surving that current earnings will

intrinsic working capital values is share last year. However, this was after deduction of \$6,950,000 or dividend will be used again the Decadas by Nov. 39, 1944 lut For example, besed on 1943 very-end reports, the second be-

woon working capital per share Corp probably has the most trapressive record in this respect and as follows: Bell-\$14.60 \$11.00; affords on example of industry policy. Although operating under head - \$17.70 - \$16.75 Actually working capital positions are even dreds of militers of dollars worth of inventories arreadly (soles for Exclusive of Equipment-it must simust \$559,000,000), material be emphasized that these valueperced by Republic new aggregates less than \$500,000. The company, sa of June 30, 1944, had not ourrest casets of \$1,200,999-which other assets owned. In addition, sely about 2 percent of the total b Working Capital Up 55,000,000... If arrenal communics were to be Regulation mad-year account of working capital compared with the \$5,150,000 shown as of the yearthe namely helders, to many in-

tained encurings. An interesting sidelight in the Republic portuge keepen as Severely Aircraft, the enterprise at the 1935 year-end. had a defect or negative working may be made to stockholders Or. ing five and one-buil years, workon has been more common in log capital has risen by almost American corporate expensence. present strong financial position he surplaced and retreet than benefiting the remaining shares effect to returnment of the com-



AVIATION NEWS . September 18, 1964

TRANSPORT

Shipping Firms Present Case For Coordinated Air-Sea Service

House Merchant Marine Commune hearings develop into compechensive review of country's post-war international air transport policy and prospects.

The House Merchant Marine ratends to do the negotiating for hodge natts. Berle said that in opportunity to plead their case for own arrangements, of which he perary or permanent But ha-These kearings contrasted with Desidence on PAA Agreements -McCarn saked Serie whether

ariation subnammittee of the Sen-'bandlearped' the war effert, the ate Commerce Committee. They witness was unwilling to agree, were seen to the public Every but specifed that many of them of (war) effort, notably in South Berle added that some of Pan rights would be available in the United States. In this entenory

alifely Letter Pas in Record-Most sumificant development in arguments. The House Committee ence of American Secretary of State Adalf Berle, Jr., then on the Chairman L Welch Pruss. Board

On the monopoly versus compeis one for Congress to decole, said the present law is "not a chosen. Pleads for Air Service: Airson E.

will assume there is to be compe- as he appealed to the House Mertition on foreign resites. He con- thent Marine Consession for titrant, following the lead of the storouthy company perforpings followed by Alman E. Rich, pro-Hell letter, that the Department in overseas assation

e especially named Beard and * NUMBER 12 IN A SERIES OF MESSAGES BY KELLETT AIRCRAFT CORPORATION This main point with respect to reacter. Better, he thought would nations neeking rights in the same

Courses' Problem-Berle sees the arr-nea praestion, like the

sen services Although British Committeemen agreed with shipping interests and the Mari-

decard, bewever, that may sufopressed hope the matter could be "used to the public advantage."

Stepung interests plantly were their contention that levislative aspirations to operate aircraft Af and Steel Witness Vent and ness was Admeral Empry S. Lord.



THERE'S SOMETHING IN THE AIR . . .

THE STANDWS of slowly descending behopsers to come . . . but only after the war will you learn incoverients that have already taken place. successful believener trees in known only to the come it is lakely that the ability of helicontres to land and rake off vertically ... to fly repolly or hover in the or . . . will find mury commercial. personal and undarged uses. The rottolless of country power and cipe lines, applying crossare must a few of many useful aredications of the believerer. Kather's econoling envisoreing when modern beforeasses will be no use of out of this way, Kellett Aiscraft Corporation,

KELLETT

ident of the National Federation OLDEST ROTARY

to indivisal shippers executives who sought to belster his nestral Land contended the shapper entirely to a wartene beau, and would be handicapped sersously craft after the war. Rehabilitycure transportation businesses otherwise might capture the traffic There is argred mountly for

of American Storpeing, Both In-

prompt governmental characterism of its national policy," Land said. because otherwise past-war planning is proposition Pan American Asks

> New Pacific Routes Files for Great Circle link berevers Absilia and Calcum via Kunis Islands, Tokyo, Shorghat, Corone, Honor and possibly noine in Siberia. Pan American Airways served

> Board for vast route develop-Chief new route requested in a Carton, Hanes, and possibly a nozed to Schenas Pan American

of the line's trans-Atlantic cer- and ebserves say the line reasoned Alternate Brute-Other enten-

now operating is a reste connect-North-South route lanking Son U. S -Mexican border via Mon-Java, extension of the South Pa- terror. The company size is fating route from Noumea to Fresident Lines-A new entrust Examiner Fertinend D Marin

New World Stops

a Lashon - Maind - Barretong-Marrie (les-Rossa h Lishon - Nafrid - Al-giers - Turns - Tripoli-Curn. Below . Natal. a Natal - Daker - Casablanca - Tanger - Sculle -Madrid - Bercelone - Pires h Natal - Dokar - Mon-

Polyn Shaughas Henr Kong.

Marris, Batavia, Senempore, Book-

Acro-Transportes Develops New Lines

Aero-Transporter S. A., Masless

in development of routes areated

mit the line is not trying for a foothold in the U.S. Application for such entry to San Antonia, Texas, u perdire, and the granting of Calif. Hawaii Route Allocation Likely

granting temporary landing per-

CAB expected to struck certificum to use or possibly two carbetween the West Coest and Hawan drew to a close last week, it

generally agree that roughly 100 .-Karana Cdv. Me. Bouthern exestimated air traffic figure shaws

ATTEMNT BRANCHES 96,204 SE 807 of testimory of H C. Timberlake The estimated traffic restracts halo route would develop. Here,

at Brownsville and Earle Para Treas, pending surport approve-Work is under way at both sites The State Department has indigitated it has no objection to

only applicant seeking both routes. on both the Seattle-Hawait and b Scattle Certificate Unlikely nombly two additional carriers

Airlines Face Fight

For Trade-Gorrell ATA president says public pa tromuc and compension will Vacuus of Col. Maray & Gorrell

valronage and the internity of correctitive forces." What that fure the National PostsWar Conmore making. That making will tages of this and older farms of transport. Those responsible for n'r transport's develogment will

may be expected to go the same-Thus "reasy years" will clapse before the true place of air transport is determined Frest of Tiene-What happens in of the war. The future will not monutarily duplicate one-war patselecture but marely a trip by estigens at \$500 or less, with other strines afford fast, relable serv-

Two to four years immediately late planes into true post-war planes, theroughly tested, and many or companyes" that are to operate abound will establish their right to do so, principles of inter-

their way toward public ac-Doris Miller to AA Overseas Air Travel-Garrell a two-week vacation in Europe 15 days to spend in various Euro-

large increments in overseas air arrines can be expected. Bust many have pointed out before, he

freught will not come to the airtern it. "The nest history of trans-

Mins Doris Mitter, assistant press pohilicity in Westington, D. C. the CAB press room four years.





MANUFACTURING CO. INC. SUFFALO 7. M. T.

Airline Travel Survey Forecasts Sharp Post-War Traffic Upturn

Three-fold expension in use of services predicted in Crowell Collier Publishing Co. grady: peasons for perferring planes to other means of travel place pleasure and consfort above speed.

> the sirlines once having flown the number of surine flights, with

down by age groups the replies to the question 'De you expect to

the in commercial arrive planes

facilities in the past. In cities of

planning to use surling fordblus

exportant reason was the danger

sevelend. This was given by 13

mark of concept."

Despective would be drap or ground.

Des old to fig.

Control to mark.

Actor in collections.

First-hand indications of the whereas the latter group, while sumble marketing jeb shend for Co servey forecasting a Bree-fold expension in surling travel after

With 65 percent of persons in-| Speed Not Main Factor-In the "It page to fly " Some \$,000 perfor only 23 percent of marting cent. Here is a break-down of the replier to the question "what led you to make your first airline

The fact that women mentioned often thun men, together with the casily ofter the war, as compared with 65 percent for men, couplevolceworst of that market in post-wir expansion. Further, it indicates the extent warren's re-

the vouths. This will be portless.

For example, the survey shows

do so se often as older perseen

Safety Stressed "Avisture development his

been retarded by the tendency SERVEY "PERSONNERS CONTROLS Lettle has been done as adthe public equally constitute of

The safety and even promistoday is a tremendous thome

of the worsen as their objection to If the arrives bedding for transas low as \$300 a round trip, 67 dan't know what they would do harrever, appears to be brighter

than by air. Twelve percent would like a combination alone and best ride, while I percent Almost half the respondents were unable to select any particu-

usual Brazal none nucleud by 28

TRIBUTE TO FRYE A model of a Desigles C-54 was

as prendent of TWA. An eccompersons cord described Frue as a arhierements in Desigles planes the path of aivities progress?" Hauer John B. Goge of Kranes City (right) is preparities Desc-

TAC Route May Link U.S. Northwest, N.Y. Canadian fem's plans for direct

Winnipup Toronto has sard as had for new residen to Year Plane of Trans-Canada Aur Acronauties Administration's tures for a direct Worsiger. Now York are viewed as actually s but by the Canadian carrier to U. S. Northwest to the East Court.

With post-war flying equipment court operation of approximately 2,500 miles, spece 270 males sharter siso give TCA esportusity to furnich marie-current service to Europe for traffic originating in b Equipment Availed - Although

known that TCA is awaiting only surfable equipment before represent an exclusive posts of freshed Air Lines and the air The agreement, however, ex-

to New York, while U. S. carners to. Windsor, Wennepeg, Lethbridge and Vancourse. The asymptotical never been opened. Detroit to say Route Shorter thun United'sroughly 100 miles shorter than

n more than one hour greater With Douglas DC-44 replacing the PARTS -

CAA to Decentralize Medical Division Decentralnation of the Civil

under way, according to Dr. W. R. Stevell, Chief of CAA's Avistion Addressing the 14th arrest meeting of the Acro Madwel Ac-

b Regional Offices-Regional racktest offices how been proposed to

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WAR PRECISION

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marbods of saturates. Crarly, coefficity, authoritariely pre-

but productive exterprise in a shround and fungeral position to retool, to replaced ste stook, to spet w me last a countries and What bearing to experience believing World that is the appropers of using it the norm

SCIEV 'N HANCOCK Office of Was Mid-has from Middlespie D C. 1875 'I person for the control of th By SLOPER H. SLEWITZ and "I so to demonst about the open, it is nother as

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The later or as at tenner is not really like Breet and in regress to 8 8 and Chrade rate.

Feeder Men Launch Intensive Program

Long-range conference and pub-

of membership and technical com-Estimates are that the "educatseeal program" will east about

thereafter to familiarize the public * Media - Advertising rehiberts plans to further its program. Officers were named earlier, but a formal election was necessary because of the organization's recent

Mambership committee is bended by Beverly E. Haward, president of Hawtheen Airways Other memberg Helsey R Bastley, president plent of Brian Flying Service, chairman of the technical correct-

tion Corp., Bowman R. Otto, presifirst. Otto Aviation Corp., and Both currentities expect to meet

. DEPRESENTATION

Monetorpers of Annual Engagement cy for additional Buch A Company

RA-116, Aviation News

inhow ill be determination of a basis from other branches of the undertry. This mean negligibly will in-

ington at 1919 Vermont Ave. N

b Three Designs Studied-That the Hept 13 Informed sources say First would be a 266-260 has rockup plane to carry carro Second would be a 450 hp.

Third would have \$50 hp. carry only, probably without period equipment. The latter two would Mony manufacturers are interested in future developments in powered its Stytus design, Marterest extends to reckur mountelli-

Denver Feeder Case Sets Future Pattern

Assuments of both sides exmound as fellow same line as could table to Rocky Mornston

The pattern which argument in

heimmer in Denver, Colo., during the next two weeks. This notice it has two main supects. First, the struggle between ex-

AVIATION NEWS . September 15, 1944

feeder operators is certain to be ine" uses will be re-fought in each proceeding arvolving an ap-CAB Clarification Unlikely-

isting corners and would-be bling block to many small applica-

Furthermore, there is little likeblood of a CAB docture to clarify questions before most of the reg-

of the darassist carriers, Western the Booky Mountain case designed meetle lines can do the local hauling job if granted sufficient coute extermines. Western's smallthe Backy Mountain seen, and in typical of the way in which the

plan contemplates establishing areas" of large cities, under the gualance of a major corner. The these to come before the Board

Brazell's plan is a contecture nn interlocking system of local lines Should the trade area applyentions be gransed, they hold, a

but hope to become major air Storebling Block-Possible stum-

casts in CAR's rand recomment "Itness, willingness and abit-N Drum, operator of Colorado der a certificate of the Coloredo by a CAB curtificate permitting to-CAB Exerger William J. Mod-

PCA Head Cites Move To Scuttle CAB Board by "American Clivedea

calleard lobby seeking by undarpround metics so force ru

ten to force its way into commer-PCA's President C. Bedell Month He endorsed the "excellent programmy record of CAR and branded the sileged attack on the tempt to salvetage a gavernmental been "assemble to the special in-Cites Varying Stands-"Cortan

to perpetuate but to increase the Their actions have included vicurous opposition to configurates of the CAB as a covernor body. said Marca, "he



THE MARKETTE OF BASING MICCORDY

All American Plans New Pickup Designs

tion of equipment. Propert striling many expenses never after constense of her and development dryssen ac-With designs for new pickup

valuntarily by the company on its but in other countries. All Amenlooks to another good year after President Halsey S. Basico's anincome after all charges of \$338,not income was \$27,669, or 11 cents

252. Vertually any conventional

lane can be adapted to pickup, by

ecence to glader packup. Borne

Fereign sirkne operators who

America, Brazil, Sweden and Am-

> Financial Report-At Secol 1944's

condition, weldoor a net of \$469 -

personnel 72.7 persont may 1943.

pounds of earge without sersons

which All American his applied

dent, the company has made a gift.

for research in aventure subsects, sometraction particular two tiers of

b Economics-The company plans expansion of its routes beyond the talkens with airreaft murafacplane with pickup eguloment. Our-



h Truffe Incresary-Air mad traffic DARNELL CASTERS

CASTEE AND WHEEL MANUAL DARNELL CORP. LTD. LONG STACK & CALIFORNIA O WALKES ST. NEW YORK 12 N.Y. 36 N CLINTON CHICAGO 6 RA

Boeing Gives Data On Modified 307-I's

Boome Arresult Co. has prequied Transcontinental & Western Acc. rear and larger engines, event Prepare for Nam-War Production -Beeing is preparing to make use

ciffice os may be released in B-17's and B-29's and, during a searcal efforts were made. Navy was never able to allocate facili-"Lose Baser" XPBB-1 fring commercial characteristics. production of the Mind are wal-

feet. The rene cleaners has a gross technic have been added to the Busercharged - Cabin supercharging is retaland as the renda-The presurings equipment will maintain on \$.000-foot stratophere at 15,000 feet and persyl benefits

for TWA units new being modi-

of altitude operations not otheranother 40 passengers. There are under the pustenger deck, but would add 4.551 miles and 422 festion, with a total conscity of communities to its present 118- about 500 cubis feet. One hun-As a recovered to Richard C du to located back of the caben. is one tier of three seats and one ter of two seats. The 40-pas-

Data-The new Strateliner is said to be in the medium range class, with a reach of more than 1.000 miles with maximum paynow than 54,000 pounts and 47,000. Required length of takeoff at maximum allowable weight grae insperative is reported as

more than 10,000 feet. Operating feet are specified, with several Wright and Pratt & Whitney alternates of higher horsepower.

CAB ACTION

of Arrandin Bred spored at agri-being Eming At Lien and Brig-ner with jordin for al-modicall cyl. Egits of Borton Years A Print Memorian Advance received OAA and management of themselves received and of the controlled to the Second systems descended unable of the Second Second Second Secondary of the Secondary of the Second Secondary of the Later Association of the Secondary of the Later Association of the Secondary of the Secondary of the Agents of the Secondary of the Controlled with the Secondary of the Controlled Secondary of the Secondary of the Secondary of the Controlled with the Secondary of the Secondar

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CAR SCHEDULE

Sept. 22. Labin-Asserbage male bearing below Fig. Harring of Erichbert Ababa, or projections of Elife Al Transmiss, and Erichbert An Staves of Leading and Transmiss of Elife Control of the Park Staves of the Staves of the Control of the Francisco Alexander the Control of Erichbert Al Erichbert Staves J. Smith for real-side on the Oblahama.

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Set JR, \$165. Totalire herror date, Control. MNB Rules on AA Flight Engineers

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other varie. the exertion being b Dutley Held Similar-The Board

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CONSOLIDATED VILLES

FDITORIAL The Operator Speaks

VICENTIFIANT MANUFACTURES could read each outse of the NATA dispatch with profit. The separaspeaking the collective mind of the fixed base oper-

Taxlary representatives seem very weered that tration-office-club buildsay, and that someone had

"As a matter of fact, we are sadly disappointed at some of the post-war prespects, although some look more than good. After a while you don't quite there the airclarge or make an airclane that flies itthat for a while the mubile will been any sirulate Model T that will have some utility. Certainly we in his own longuage. We have seen \$600-word ar-

turbes written on this subsect that said less. Congress Must Wake Up

CONSERSE HAS BEEN EXPENSIONS the demobilization. e of American infunter for marks 18 months and a conservatively-estimated 49 percent culture. in war production. Contrast has been considering House and Senate conferent in violent dispute over unerseleavment benefits, have failed utterly to tend unervisionment benefits to an estimated 1,500. 000 Europe employees and to counte funds to ed to year renduction centers. These provisions the

and abandoned their efforts. The only other alternamuch action as possible until after the election. at half-copacity. Congress needs to be reminded pose of reconversion legislation is to present chaos spensibility to prevent chase. It has fuled to date to take proper action.

Coast Guard's Air Aid

COART GRAND has decided to continue its volumble and arrway ands as well as for rescue purposes. The service will need more bases, many more all U. S. coastlines. Operations, which probably will will be an excellent training school for pilots. study the Coast Guard's proposals with great care when husbest estimates are propired, to make corsafety for the flying public is assured.

Why Not Speak Publicly?

HOUSE MERCHANT MARKE COMMITTEE did for open to the public and that a decidedly anti-chosen instrument parrent was evident threeghout. Geverroment and shipping witnesses were heard. It is known what stand the domestic nirities would take All this is in eastrast with the unsuvery marcer in which the Senate Aviation Subcommittee has been

The burden of renol is on the monomalists. They stors whose fover they have wen. Perhans the trend

had progressed nowhere on the important measures, duried their business in the open. Donner H. Wood



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Wizard in a Box

How this G-E computer works is still known only to its designers (shown here) and persons intimately connected with the Superfortress. As a part of the B-29 gunfire-control system (also developed by G.E.) it calculates lead, windage, gravity, and other factors in the mathematics of aerial gunnery.

The B-29 gunfire-control system and the equipment for this plane's pressurized cabins are two of many engineered systems G-E laboratories have developed for aircraft. General Electric Company, Schenectady 5, N.Y.

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